

YOU MUST HAND IN YOUR WORK BY

TO



HOW LONG
should this assignment take?

Every person works at his/her own pace.
As a guide, spend 2 hours reading and making notes, another 3 hours to write your answers and a further hour to discuss them with your MOLP tutor.



HOW
will I be assessed?

Your tutor will assess your work. He/she will give you feedback on how you have done. If you have not completed the work, you will be given the chance to do further work to pass this assignment.



WHAT
do I do now?

Read the TASKS section below to get an overview of this project.
Then read the NOTES AND GUIDANCE section for help.
Carry out the TASKS.

TASKS

1 In the box below, list 10 different situations and uses for PA equipment

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10)

2 The following is a list of possible PA equipment. Circle True or False for each to indicate whether it would be found in a PA.

Amplifier	True	False
DI Box	True	False
Recorder	True	False
Mixer	True	False
Control Surface	True	False
Subwoofer	True	False

3 In the box below explain what a Technical Rider is.

4 For each of the types of PA system below, list one advantage and one disadvantage.

Format	Advantage	Disadvantage
Active speakers and a mixer		
Powered mixer and passive PA speakers		
Amplifier and passive PA speakers and subwoofer		

5 For each instrument in the list below, write whether you would use a dynamic microphone, a condenser microphone or a DI box to get the best sound.

Acoustic Guitar	Dynamic / Condenser / DI Box
Electric Bass	Dynamic / Condenser / DI Box
Snare Drum	Dynamic / Condenser / DI Box
Keyboard	Dynamic / Condenser / DI Box
Vocal	Dynamic / Condenser / DI Box
Electric Guitar	Dynamic / Condenser / DI Box
Drum Overhead	Dynamic / Condenser / DI Box
DJ	Dynamic / Condenser / DI Box

6 Circle True or False for each of the statements below.

Larger woofers are better for producing lower frequencies	True	False
A crossover splits the sound into frequency bands	True	False
The power handling of a speaker shows what frequencies it can produce	True	False
Active speakers are better than passive speakers	True	False
Subwoofers are necessary when using a PA just for vocals	True	False
A wedge is an angled monitor speaker that goes on the stage	True	False

7 If you were a guitarist in a band, and were playing a gig at a pub, what instruments would you want to hear through your monitor?

8 Explain, in the box below, what feedback is and how it can be avoided.

9 For each of the PA components in the list below, write what it would connect to.

From	To
Microphone	
Powered Mixer	
Bass Guitar	
Amplifier	
DI Box	

10 On a separate sheet of paper, draw a stage plan indicating where the PA and monitors would be placed for a band playing in a pub type venue consisting of ;

2 singers, 2 keyboard players, 1 drummer, 1 bassist

11 Show on the following tick list your current experience of live sound.

- ☐ I have played in a band live on stage
- ☐ I am a DJ and have played live on stage
- ☐ I have helped set up a PA
- ☐ I have set up a PA system
- ☐ I have been a front of house engineer
- ☐ I own my own PA system

14 In the table below, specify what equipment you would buy for a PA for use for Pub gigs, for a band with;

1 lead vocal 4 backing vocals 2 electric guitarists 1 acoustic guitarist 1 electric bassist 1 drummer

Component	Quantity	Make	Model	Price	Why?

12 For the list of instruments below, write what processing and effects you could use in a live sound situation.

Instrument	Processing	Effect	Why?
Electric guitar			
Vocal			
Kick drum			
Snare drum			
DJ			
Bass guitar			

13 Circle True or False for each of the following statements.

Guitar amps should be as loud as possible on stage	True	False
PA systems should always be distorting	True	False
Graphic equalisers can be used to reduce feedback	True	False
Monitors shouldn’t be louder than the front of house system	True	False
Most venues don’t have much natural reverberation	True	False
The maximum vocal level should be obtained first	True	False